Title (en)
SYSTEM AND APPARATUS FOR COOPERATIVE CLEANING

Title (de)
SYSTEM UND VORRICHTUNG ZUR KOOPERATIVEN REINIGUNG

Title (fr)
SYSTÈME ET APPAREIL DE NETTOYAGE COOPÉRATIF

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Application
EP 20839893 A 20200715

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Abstract (en)
[origin: WO2021010899A1] The present disclosure relates to a system for performing a designated cleaning task. The system comprises a plurality of cleaning apparatus, and at least one of the plurality of cleaning apparatus is communicatively connected with a processor unit, wherein the processor unit comprises a hierarchy generation module for determining a hierarchy state of each of the registered cleaning apparatus; a task planning module for generating a cleaning operation plan based on the hierarchy state assigned to each of the registered cleaning apparatus; and a task execution module for transmitting a command to execute the cleaning operation plan. The present disclosure also relates to a cleaning apparatus for use with the cooperative cleaning system. The present disclosure also relates to a system for performing a designated task using a plurality of task specific devices by generating device-specific control command for each of the devices based on a high-level control command.

IPC 8 full level
G05D 1/02 (2020.01); **A47L 11/40** (2006.01); **B08B 13/00** (2006.01); **G05B 19/04** (2006.01); **G06Q 10/0631** (2023.01)

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SG 2020050409 W 20200715; CN 202080063696 A 20200715; EP 20839893 A 20200715; US 202017627641 A 20200715